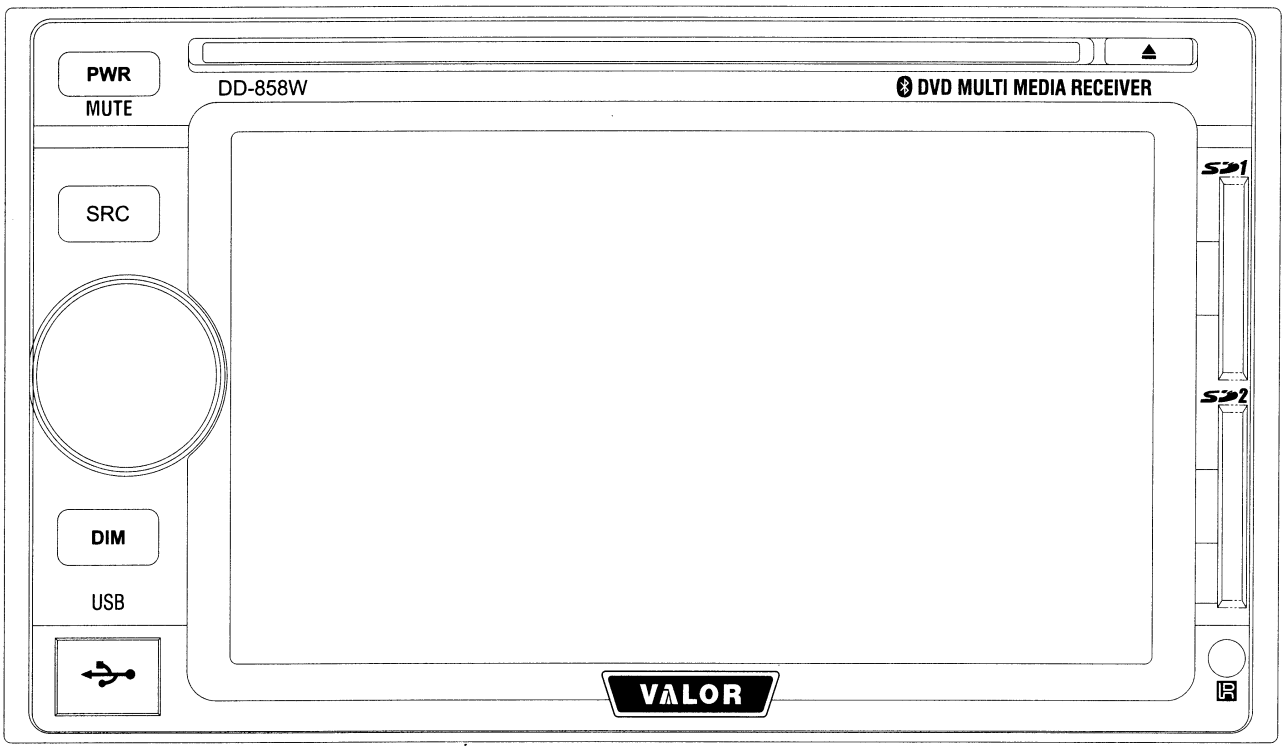
USER MANUAL

2 DIN Multimedia System with 5.8" Touch Screen LCD Monitor

MODEL: DD-858W



Congratulation on your purchase of this high quality DD-858W Car Multimedia Player.

Before installing or using this unit, please read this manual carfully to ensure current operation. Keep the manual at hand for future reference.

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Features

- 5.8 inch Analog TFT Screen
- Touch Screen Control
- AM/FM
- DVD R/RW, CD R/RW, VCD title playable
- MP3, WMA, MPEG Audio/Video file playable
- Rear Zone Audio Output
- OSD : On Screen Display
- AUX, REAR VIEW(Reverse Camera) Input for System Expansion
- USB, SD CARD Input
- High Power MOSFET Devices Output
- Bluetooth Connection compatible (option)
- Media playable (option)

Installaion

It's a good idea to read all instructions before installation. We recommend having your DD-858W installed by an authorized installer or reputable installation center.

Equipment needed for installing the unit

- Wire cutters and strippers
- Tools to remove existing radio (screwdriver, socket wrench set, etc.)
- Electrical tape
- Crimping tools
- Multimeter
- 18 gauge wire for power connections
- 12 - 18 gauge speaker wire

Precaution

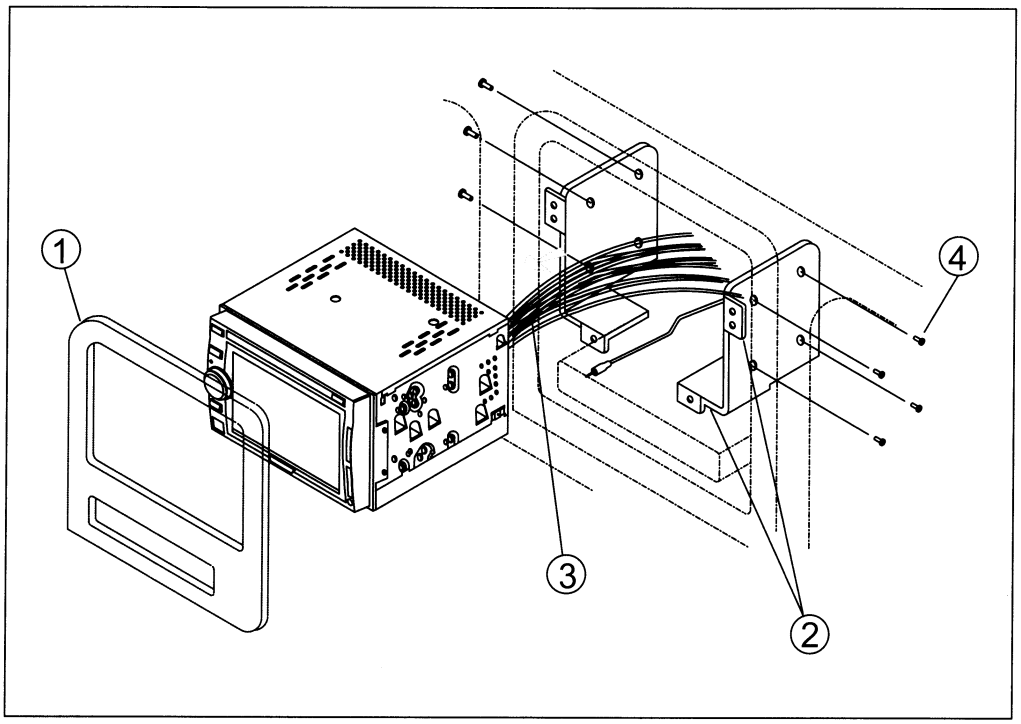
Disconnecting the Battery

To prevent a short circuit, be sure to turn off the ignition and remove the negative (-) battery cable prior to installation.

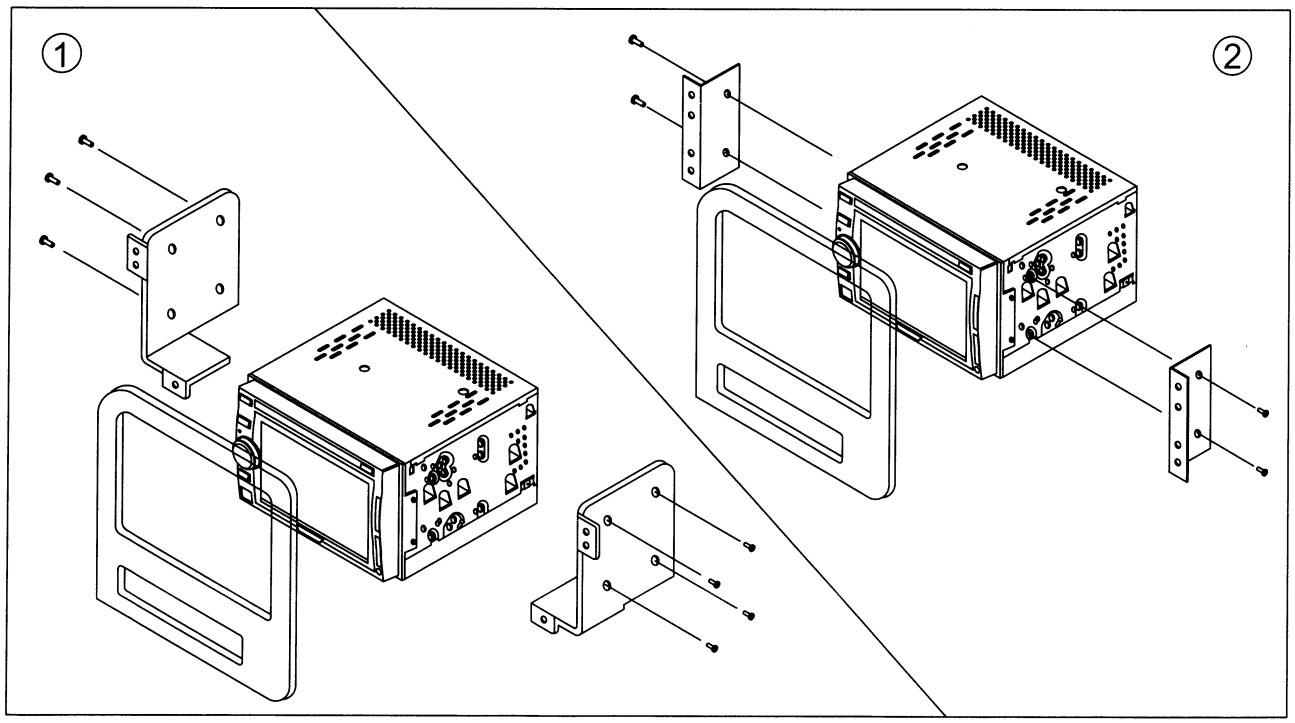
NOTE: If the unit is to be installed in a car equipped with an on-board drive or navigation computer, do not disconnect the battery cable. If the cable is disconnected, the computer memory may be lost. Under these conditions, use extra caution during installation to avoid causing a short circuit.

Remove Old Unit

1. Remove dash panel to expose radio chassis.
2. Remove the screws from the mounting bracket and remove the unit.
3. Disconnect wiring harness.
4. Unscrew factory mounting brackets.



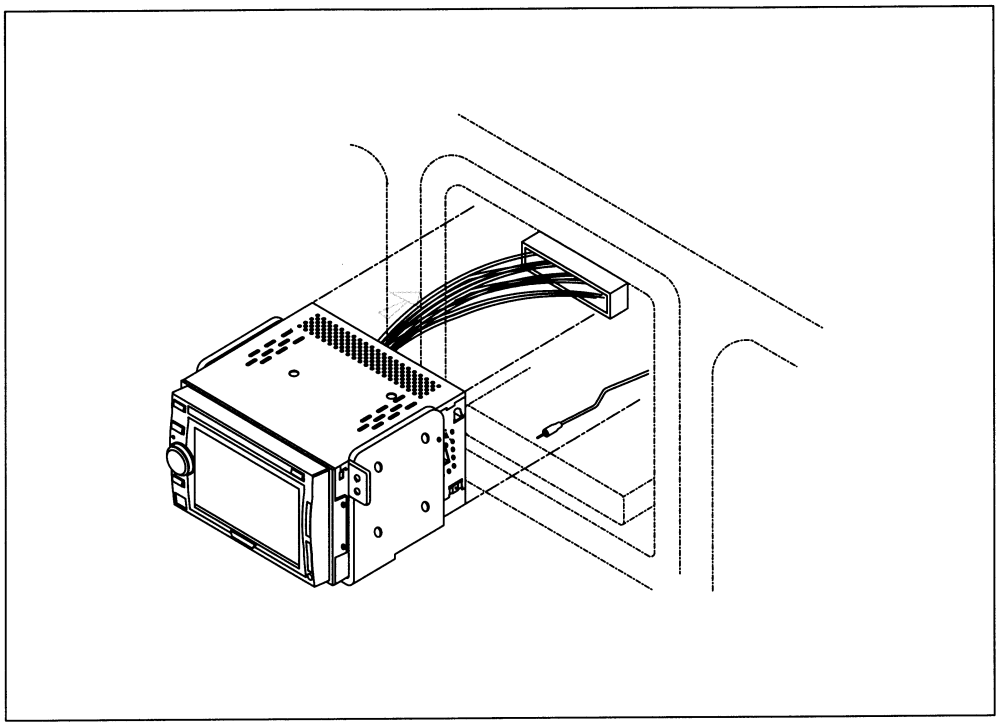
Install Brackets



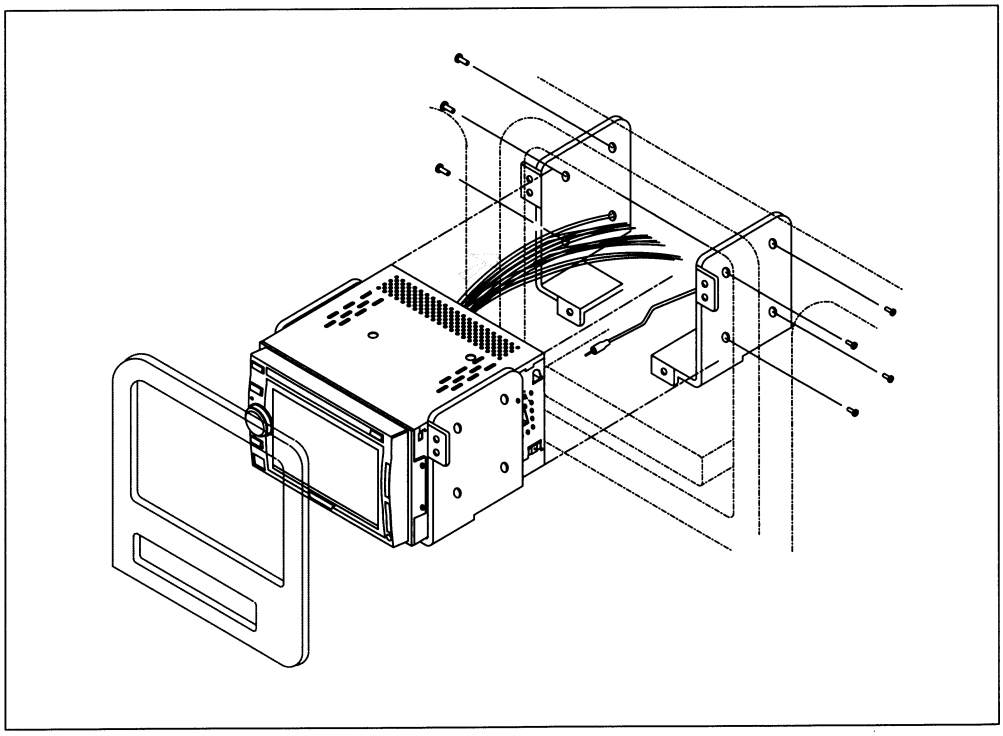
1. Install brackets to the new unit supplied by car.
2. Or you can use the bracket supplied with the unit.

Wire Connection

1. Connect wiring adapter to existing wiring harness.
2. Connect antenna lead.



Final Installation



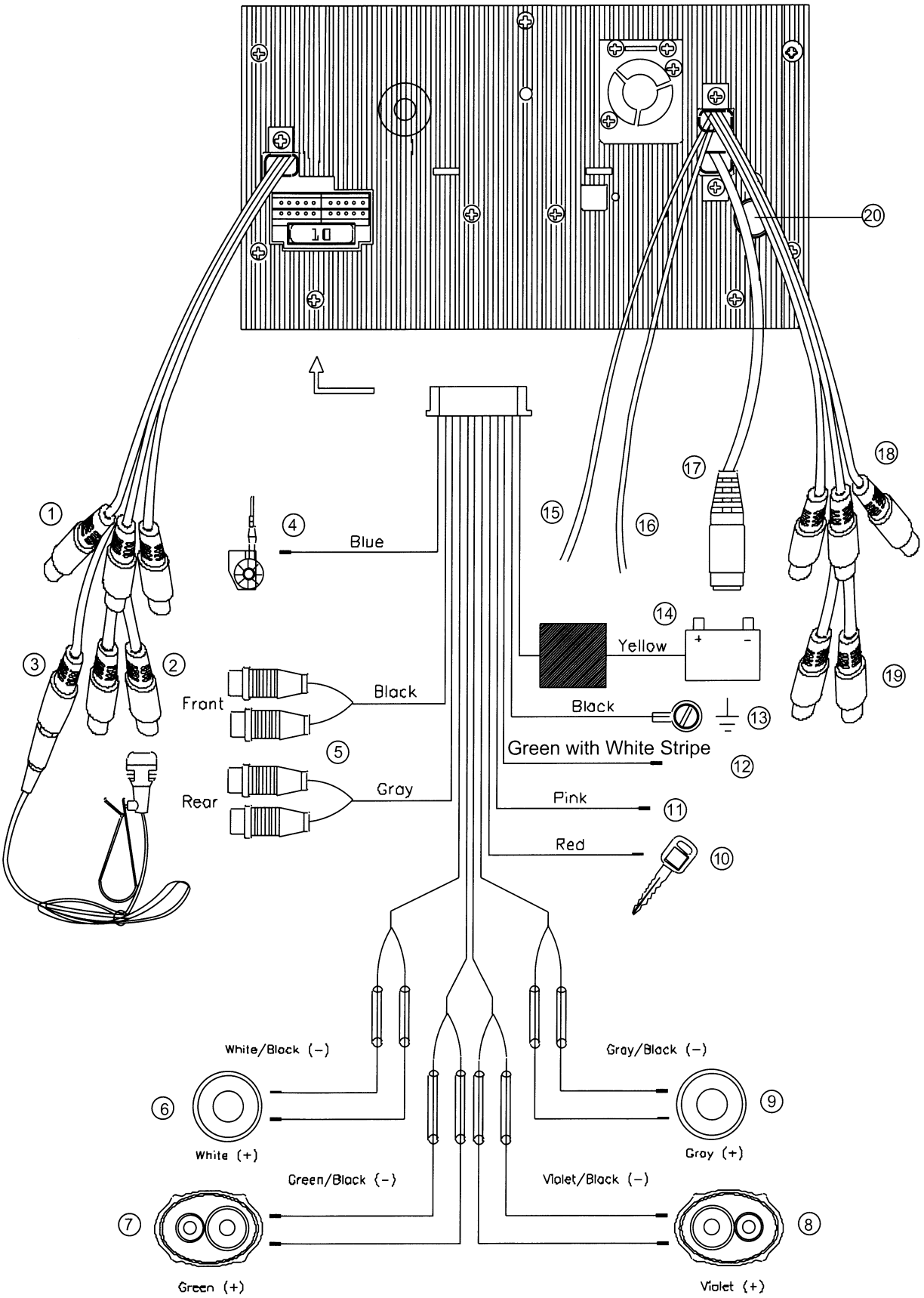
1. Carefully slide the unit and frame into dash opening.
2. Attach one end of the perforated support strap (supplied) to the screw stud on the rear of the chassis using the hex nut provided. Fasten the other end of the perforated strap to a secure part of the dashboard either above or below the unit using the screw and hex nut provided. Bend the strap to position it as necessary.

   * CAUTION: The rear of the radio must be supported with the strap to prevent damage to the dashboard from the weight of the radio or improper operation due to vibration.
3. Replace any items you removed from the dashboard.
4. Mount factory brackets on new radio using existing screws from old unit.
5. Slide unit chassis into dash opening and secure.
6. ReInstall dash panel.

After completing the wiring connections, turn the unit on to confirm operation (ignition switch must be on). If unit does not operate, recheck all wiring untill problem is corrected. Once proper operation is achieved, turn off the ignition switch and proceed with final mounting of the chassis.

* CAUTION: For proper operation of the CD/DVD player, the chassis must be mounted within 20 degree of horizontal. Make sure the unit is mounted within this limitation.

Wire Connection



Connection

1. AUX IN L/R/VIDEO
2. Rear Monitor 2, Camera
3. Bluetooth Microphone
4. Power Antenna Wire(Blue): Connect to a motorized (power) antenna and/or to a remote turn-on lead for an amplifier.
5. Front and Rear RCA Outputs(Black/Gray)
6. Left Front Speaker(White, White/Black)
7. Left Rear Speaker(Green, Green/Black)
8. Right Rear Speaker(Violet, Violet/Black)
9. Right Front Speaker(Gray, Gray/Black)
10. ACC Power Wire(Red): Connect to a +12 volt circuit that is only live when the ignition is on.
11. Parking(Pink): Connect to negative(-) parking brake wire. This wire MUST BE connected in accordance with the traffic law. It is the end-user's responsibility to make sure this wire is connected properly.
12. Back Camera(Green with white stripe).
13. Ground Wire(Black): Securely fasten the Ground wire to grounded metal part of the car's chassis. If you cannot find an existing bolt or screw to fasten it to, drill a hole in the metal and secure it with a screw. To ensure a good ground, remove any paint or greese from areas where the wire will contact the surface.
14. Constant Power Wire(Yellow): Connet the 12V PLUS constant power wire to a live 12 volt wire in the vehicle. Before making a connection, check that the wire you intend to connect to is always live, even when the car's ignition is turned off. If a live wire is not found, route the wire to the car's fuse block and connect it to a live circuit there.
15. Illumination (Orange)
16. Car Phone (Brown)
17. Media connecting cable
18. Rear Monitor 1
    /Center RCA Output(Gray): The center output must be connected to an external amplifier for 3D or 6CH mode.
    /Subwoofer RCA Output(Blue): The subwoofer output is available in all sound/audio modes.
19. Rear Zone Out L/R
20. Radio Antenna

Replacing the Fuse

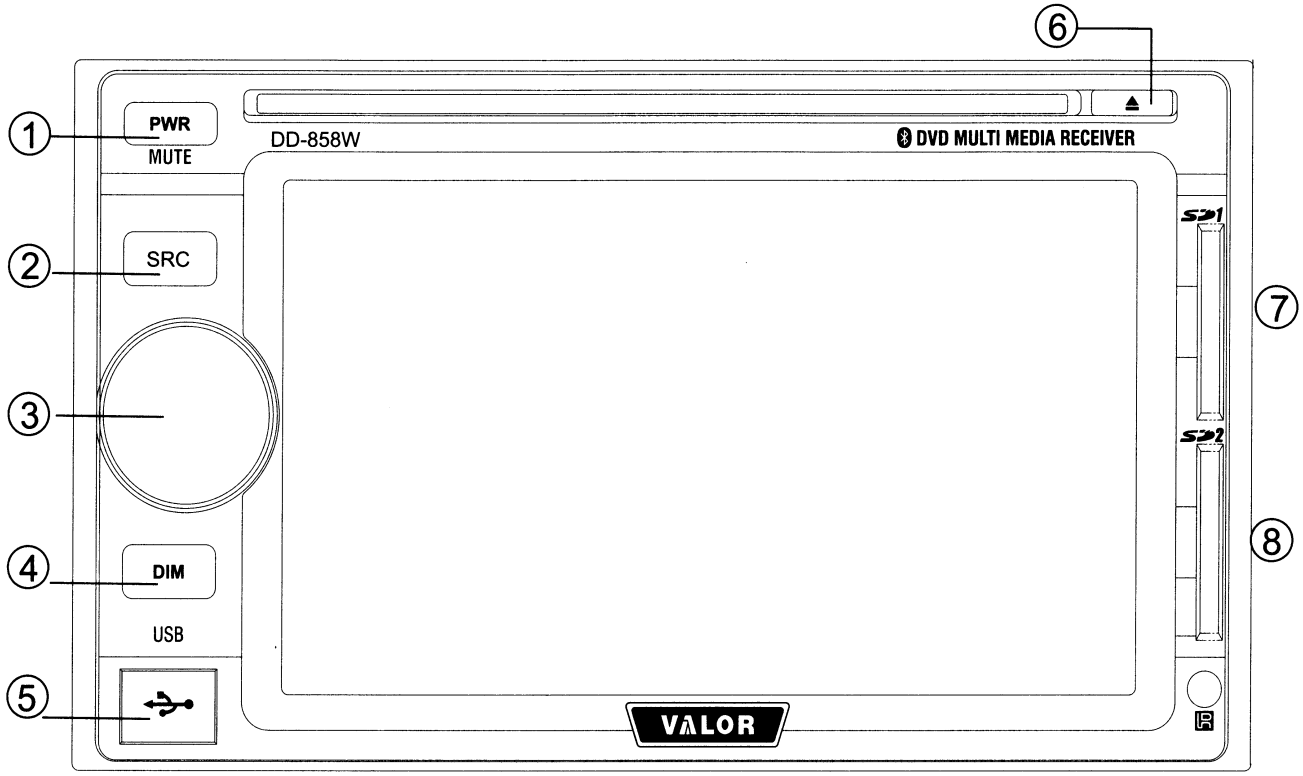
When replacing a fuse, be sure to use correct type and amperage to avoid damaging the unit. This unit uses one 10AMP AGC fuse, located in the black filter box in-line with the main wire harness.

Reconnecting the Battery

When wiring is completed, reconnect the battery negative terminal.

Main Unit Display

The buttons located on the DD-858W front display and the remote control that perform the same function are assigned the same number for reference on the diagrams and in the text.



Unit Buttons

① Power On/Off, MUTE

② SRC

③ Rotary Encoder (Volume Adjust)

④ Dimmer

⑤ USB port

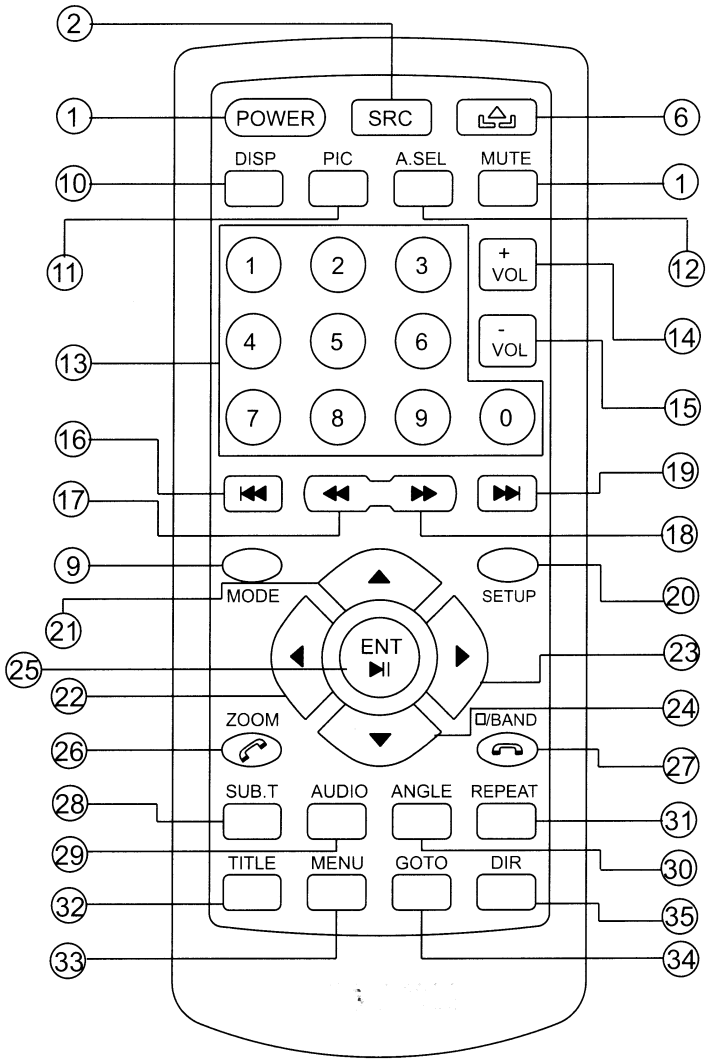
⑥ Eject

⑦ SD Card slot 1

⑧ SD Card slot 2

Remote Contol

DD-858W has a remote control: a full featured hand-held IR(infra-red) remote control. It uses a CR2025 Lithium battery. The battery compartment is located on the back of the remote control near the bottom edge. To replace the battery, pull the compartment out, as indicated on the remote control.



① Power / Mute
② SRC
⑥ Eject
⑨ Mode
⑩ Display
⑪ Picture
⑫ Audio Select
⑬ Number Key
⑭ Volume Up
⑮ Volume Down
⑯ Previous Chapter
⑰ Fast Reverse
⑱ Fast Forward
⑲ Next Chapter
⑳ Set up
㉑ Direction Key [Up]
㉒ Direction Key [Left]
㉓ Direction Key [Right]
㉔ Direction Key [Down]
㉕ Enter / Play
㉖ Zoom / Call
㉗ Stop / Band / Hang up
㉘ Subtitle
㉙ Audio
㉚ Angle
㉛ Repeat
㉜ Title
㉝ Menu
㉞ Goto
㉟ Direct to Folder

General Operation

Note: Some DVDs require specific operation or allow only limited operation during playback which may not respond to all operating commands. When this occurs, the symbol appears on the TFT screen, indicating that the operation is not permitted by the player or the disc.

POWER

1. Press any button of the unit to turn the unit on. The buttons on the front of the unit light up and brand logo appears briefly in the TFT screen followed by the current mode status.
2. Press the POWER button(1) again for more than two seconds to turn the unit off.

MODE SELECTION

1. Press MODE button(9) on the front of the unit or on the remote control or touch the current mode icon at up-left corner of screen. Mode selection display will be shown on the screen.
2. Press the desirable mode icon at mode selection display. Or in case of using remote control, Press Direction key(21~24) and ENT button(25) to select a mode. (Some mode icon would be dimmed and the mode cannot be selected for connection as Media, Camera, etc.)
3. Or you can switch mode using SRC button(2). Press SRC button(2) on the remote control to select a mode among currently available modes.

DIM ADJUSTMENT

Press DIM button(4) on front panel to adjust the display dim level. This unit has 5 steps of dim level.

AUDIO ADJUSTMENT

MUTE

Press MUTE button(1), audio will be blocked while mute icon appears on screen at any mode.

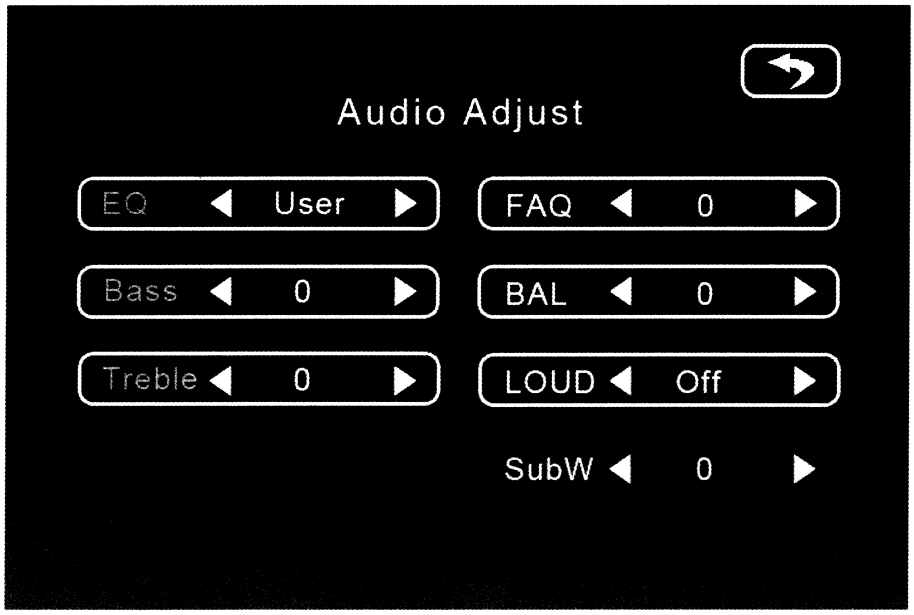
VOLUME

Adjust the unit's volume from Mute(lowest) to 40(highest) by turning Rotary Encoder(3) to the right or left, or press the VOL+/VOL- button(14/15) on the remote control. The TFT screen displays the volume level for 3 seconds and disappears.

EQ

At any mode, you can see EQ at the down-left corner in screen. Once you touch the EQ icon or press A.SEL button(12) on the remote control, screen will show Adio Adjust menu display.

- EQ : Press ◀, ▶ by EQ on screen to select Equalizer among User, Classical, Rock, Jazz, Pops.
- Bass / Treble :
  1. When selected User of EQ menu, Bass and Treble menu would be activated on screen.
  2. Press ◀, ▶ by Bass/Treble on screen to adjust the audio effect from 0 to 7.
- FAD : Press ◀, ▶ by FAD on screen to adjust Fader from R7 to F7. The default value is 0.
- BAL : Press ◀, ▶ by BAL on screen to adjust Balance from L7 to R7. The default value is 0.
- LOUD : Press ◀, ▶ by LOUD on screen ON/OFF of Loud.



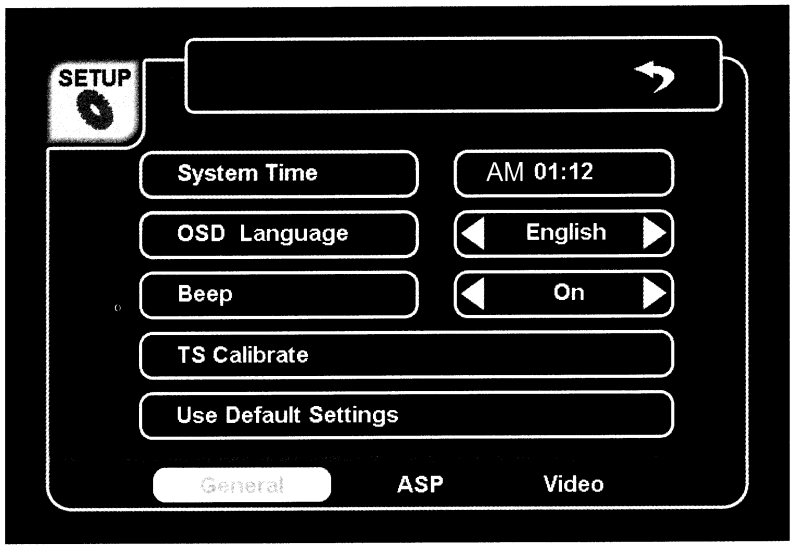
MAIN SETUP

Enter/Exit Main Setup Mode

1. Press MAIN SETUP in the mode selection display.
2. Press ↩ in upside on screen to exit setup mode and ruturn to the last mode.
   Or if no touch on screen for 10 seconds it automatically returns to the last mode.

GENERAL

Once you enter the main set up mode, General setup menu will be displayed on the screen.



System Time

1. Press the Syetem Time menu bar on screen to open Clock Adjustment display.
2. Press ▲,▼ in display to set the hour and minute.
3. Press 24H/12H in display to select a display time way between 12/24(AM/PM).
4. Press Reset in display to reset the second count.
5. Press ↩ in display to complete setting time and go back to menu display.

OSD Language

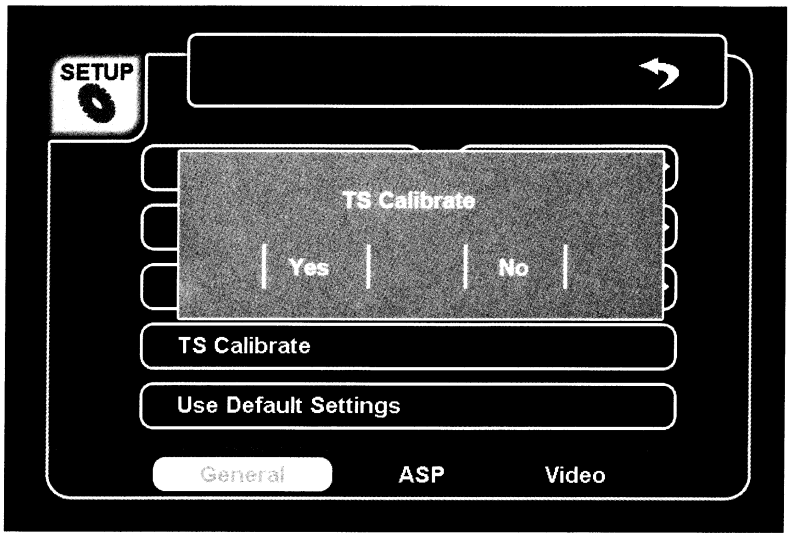
Press the OSD Language menu bar in display. You can see this unit is now availble for English and Spanish OSD language.

Beep

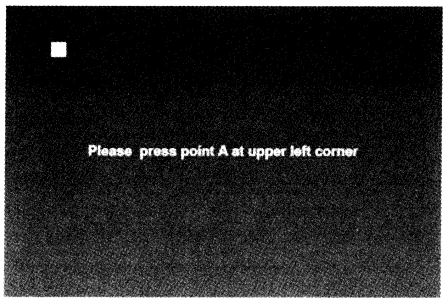
1. Press the Beep menu bar in display to activate the menu selection.
2. Press ◀ or ▶ by Beep on screen to select On/Off for turning on/off the touch screen beep sound.

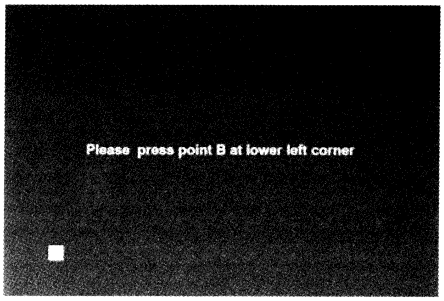
Touch Screen Calibrate

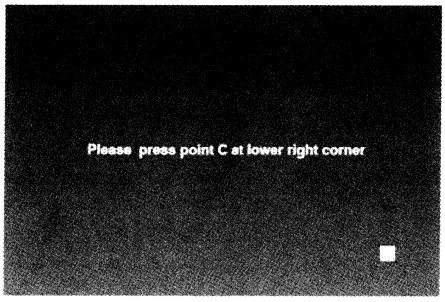
1. Press TS Calibrate menu bar on screen to open the TS Calibrate window as below which asks Yes/No for start.

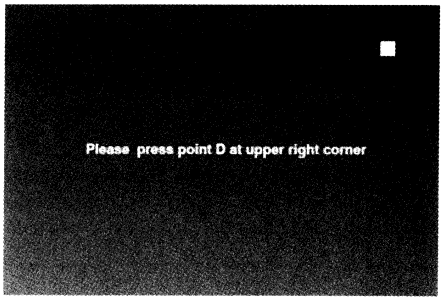


2. Press Yes to start touch screen calibration.
3. Press ☐ at up-left, dwon-left, down-right and up-right corner on screen as displayed below.









User Default Settings

1. Press User Default Settings menu bar on screen to open the window which asks Yes/No.
2. Press Yes for start resetting. The unit will be resetted and automatically off.

ASP (Audio Setup)

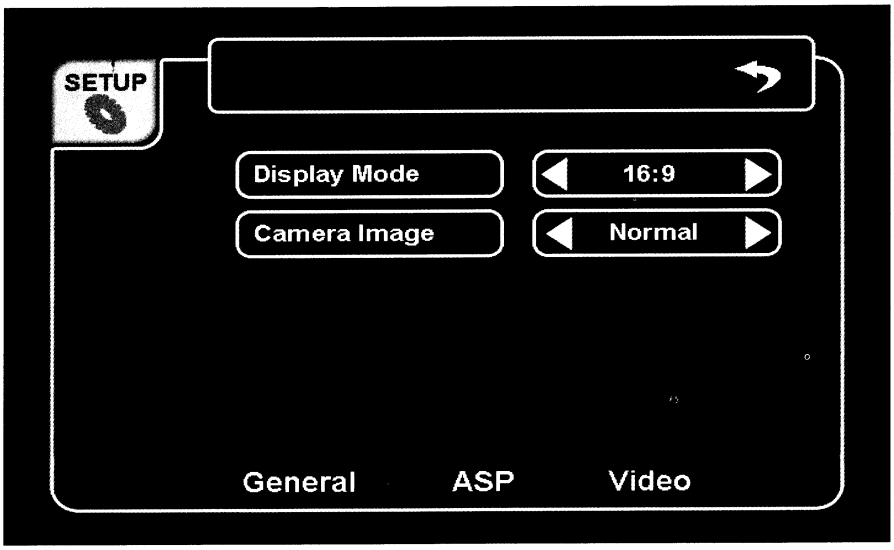
Enter the Main Setup mode and press ASP at downside of screen to display audio setup menu.

- Bass Center Frequency / Bass Q Value / Bass DC Gain / Treble Center Frequency/ Loud Center Frequency
  Press ◀ , ▶ at the menu bar on screen to adjust the audio effect setting value.

- Power On Volume / Fixed Volume
  1. Press ◀, ▶ by Power On Vol menu bar on screen to set the volume when power on. You can select Fixed or Last Volume.
  2. If you select "Fixed" at Power On Vol setup menu, you can select the volume level. Press ◀ ▶ by Fixed Vol menu bar on screen.

VIDEO

Enter the Main Setup mode and press Video at downside of screen to display audio setup menu.



Display Mode

Press ◀, ▶ by Display Mode menu bar on screen to select the display aspect of 16:9 or 4:3.

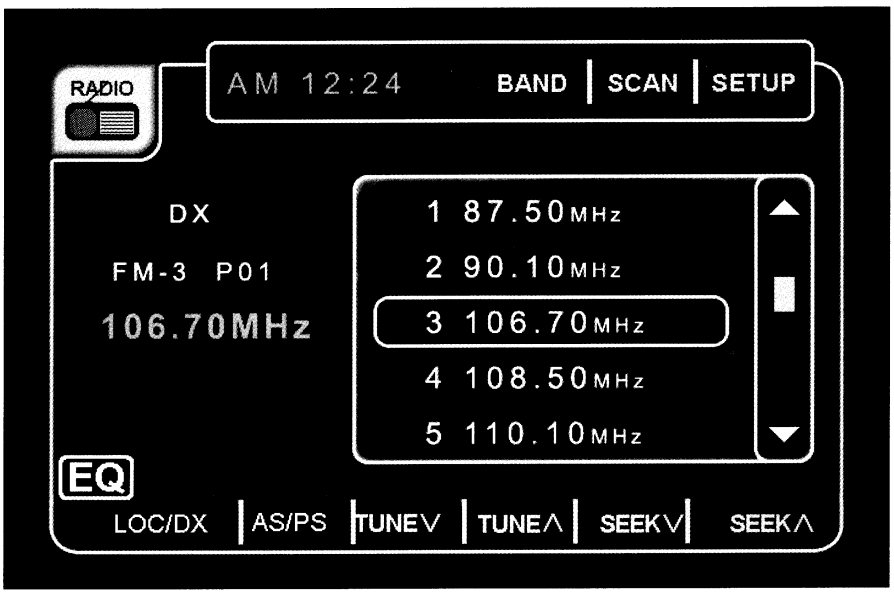
Camera Image

Press ◀, ▶ by Camera Image menu bar on screen to select Normal or Mirror. If you select “Mirror”, the image reflected by camera will be reversed as the image seen through mirror.

Radio Operation

Switch to Radio Mode

When you turn on the unit, radio mode will displays on screen first.
When switching the other mode to radio mode, press MODE button(9) in the remote control or touch the mode icon at up-right side of screen to go to the mode selection display, and press radio mode icon.



Select Band

Press BAND button(27) on the remote control or BAND on screen, the current band will change among 1 AM band and 3 FM bands in display.

Scan

Press SCAN in display to start scanning broadcasting stations in the current band.

Manual Tuning

Press TUNE ∧, TUNE ∨ at downside in display to change the radio frequency up/down manually by one step.

Seek

1. Press SEEK ∧, SEEK ∨ at downside in display to seek the radio frequency up/down. When strong signal's radio station is found, it stops for 3 seconds each.
2. Press SEEK ∧, SEEK ∨ again or ENTER button(25) to stop seeking and listen to the current broadcast.

Adjust Sensitibity

1. DX is default as displayed on screen. When selected LOC, the sensitivity will decrease of 20dB. You can select LOC when operating SEEK near broadcasting station.
2. Press LOC/DX at downside in dispay to change the sensibility.

Stereo Broadcast (ST)

When ST appears at upside of display, it's stereophonic broadcasting. If not, it's monophonic broadcasting.

Using Preset Stations

Ten stations are preset and recall stations for each band.
All ten stored stations for the current band appear on the TFT screen.

Storing Stations

1. Select a band(if needed), then select a station.
2. Press to hold 1~0 buttons in remote control or 1~10 of station list at leftside in display (Press ▼ at leftside of the list, if needed) for 3 seconds to store each station's frequency to the number.
3. To listen to a corresponding stored station, press 1~0 buttons in remote control or 1~10 in display.

Auto Store (AS)

Use Auto Store function to select six strong stations and store them automatically in current band.

1. Select a band (if needed).
2. To activate Auto Store function, press AS/PS at downside in display for 3 seconds. The new stations replace the stations already stored in that band.

Preset Scan (PS)

Scan stored stations in the current band.

1. Select a band (if needed).
2. Press AS/PS in display, the unit pauses for 3 seconds at each preset station.
3. Press AS/PS again to stop scanning when a desired station is found.

RBDS Operation

TA (Traffic Announcement)

TA lets you receive traffic announcements automatically, no matter what source you are listening to at the moment. TA can be activated for both a TP station or an enhanced other networks TP station.

- To turn TA off/on, touch TA in screen.
- When recieving Traffic Announcement, if the volume is low than 16, it will be changed to 16. And, except Volume and MENU control functions, other control can not be operated by screen, remote control and the unit, until TA is turned off.If you press other key during TA is on, unit will sound warning beep.

* Refer to Radio part for other functions as AS/PS, TUNE, SEEK, etc. Press NEXT in screen to display the menu.

REG (Regional Mode)

When AF is used to retune frequencies automatically, the regional function limits the selection to stations broadcasting regional programs.

- To turn REG off/on, touch REG in screen.

AF(Alternative Frequency)

When switching to RBDS mode, AF is flickering and on as a default.
When AF is on, if the current signal is weak or there are other problems, the unit will automatically search for a different station in the same network which has a stronger signal.

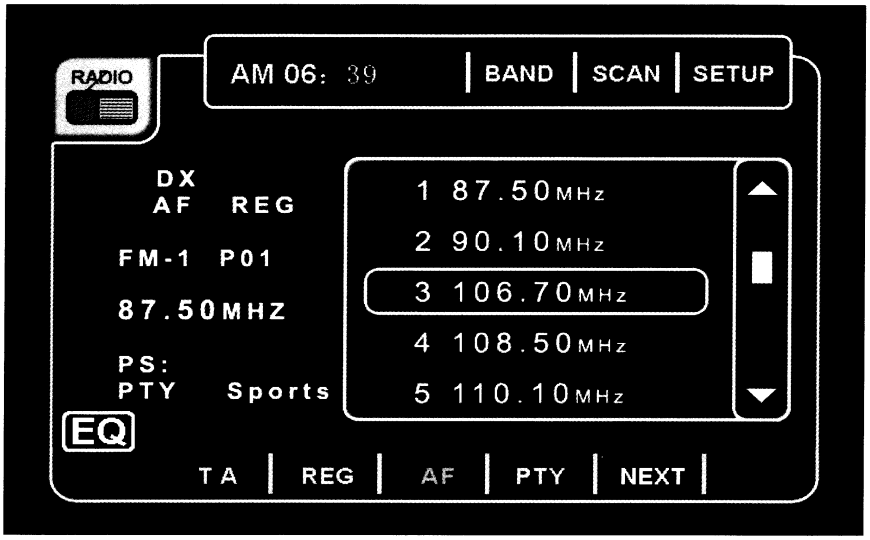
- To turn off/on, touch AF in screen.

PTY(Program Type)

You can turn in a station by using PTY information.

- Touch PTY in screen.
- Program type list will be displayed on screen. You can search for a specific type of broadcasting program, such as those listed on the next page.
- Touch ▲ or ▼ at leftside of screen to select a program type.
- After choosing type of program, you can tune or seek station within the selected type.
- Program Type List

- None	- News	- Affairs	- Info	- Sport
- Educate	- Drama	- Culture	- Science	- Varied
- Pop M	- Rock M	- Easy M	- Light M	- Classics
- Other M	- Weather	- Finance	- Children	- Social
- Religion	- Phone In	- Trevel	- Leisure	- Jazz
- Country	- Nation M	- Oldies	- Folk M	- Document



TA Volume

-You can select volume between 0~39.

Clock Tune

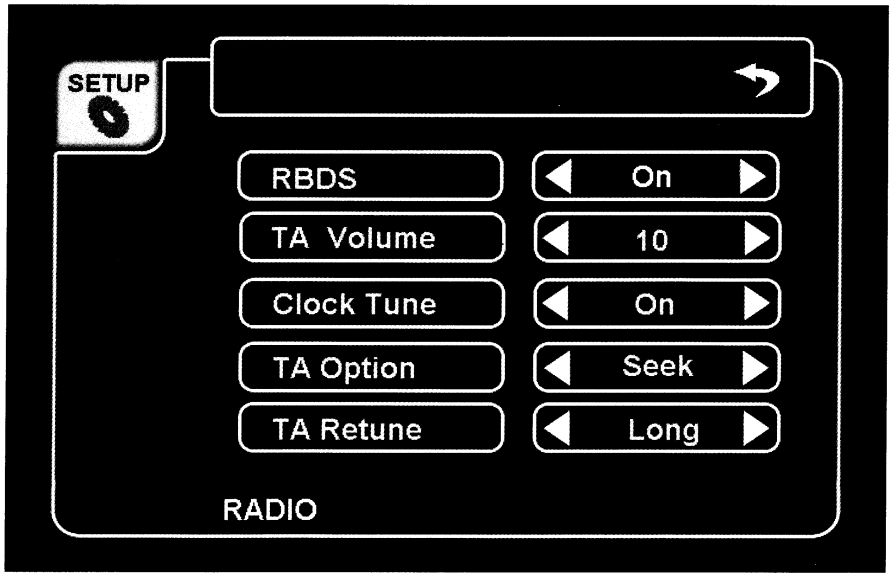
-Select “On”, when you drive to different place, the clock can adjust automatically.

TA Option

-Seek/Alarm.

TA Retune

-Long/Short.



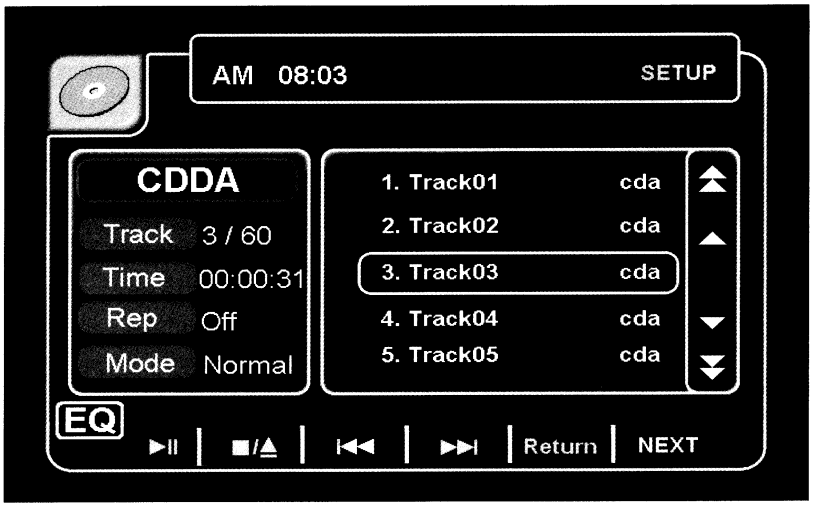
CD Player Operation

Switching to CD Mode

Press MODE button(9) in remote control or touch the mode icon at up-right corner of screen to go to the mode selection display, and press DVD mode icon.
(DVD mode icon is only activated when already inserted a disc.)

Disc Insert/Eject

1. Place CD, label side up, into the disc slot.
2. After inserting the disc, playback starts automatically and the CD mode's playback display shows.
3. To stop the playback and eject the disc, press Eject button(6).



Play/Pause

1. Insert a CD, the unit will play it automatically.
2. When playing a disc, press once ▶II button(25) on remote control or ▶II in screen to pause, and press again to play again.
3. Track list will be displayed at right side of screen. When moving track, press ▲, ▼ to move to previous/next track and press ◀◀, ▶▶ to move to previous/next track list. Press the track you desired directly to play.

Stoping play

Press ■ button(27) in remote control or ■/▲ in display once for prestop, and press twice to stop playing.

Moving Track

1. Press ⏮ button(16) or ⏮ in display to move to previous track.
2. Press ⏭ button(19) or ⏭ in display to move to next track.

Fast Forward/Fast Reverse

1. Press ◀◀ button(17) in remote control or NEXT, ◀◀ in screen for fast reverse, increasing playback speed rate at X2, X4, X8, X16, Play(normal) by pressing more.
2. Press ▶▶ button(18) in remote control or NEXT, ▶▶ in screen for fast forward, increasing playback speed rate at X2, X4, X8, X16, Play(normal) by pressing more.

Repeat Play

1. Press REPEAT button(31) in remote control or NEXT, REPEAT in screen to repeat the current track. “Repeat Single” will be displayed shortly on screen.
2. Press again to repeat the full contents of disc. “Repeat All” will displayed.
3. Press third time to go back normal play. “Off” will displayed.

Random Play

1. Press NEXT, ⇄ in display to play all tracks on the disc in random, displaying “Random” on screen.
2. Press again to release random play function, displaying “Normal” on screen.

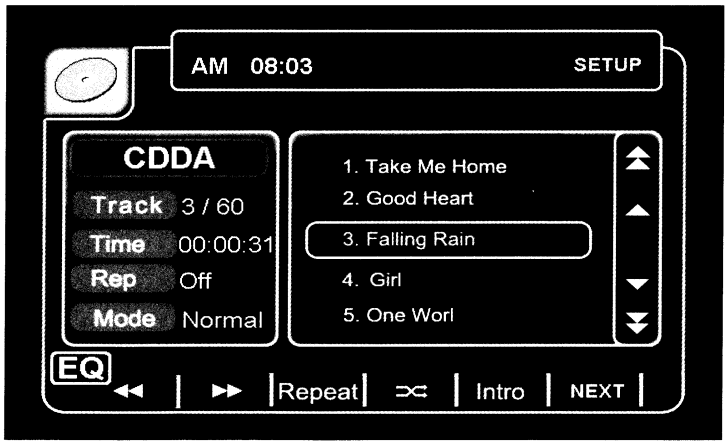
Intro Scan

1. When disc playback, press NEXT, INTRO below in display to play 10 seconds each from current track. “Intro” will be displayed shortly on screen.
2. Press INTRO again to stop scanning, displaying “Intro Off” on screen.

GOTO (Direct Access)

You can select the desired track directly.

1. Press Number key(13) and ENT button(25) in remote control to play the track.
2. Or press GOTO button(34) in remote control or Track display in screen for opening direct access key pads(1,2,3,4,5,6,7,8,9,0, RTN, ENT). Press the track number using Number key(13) and ENT button(25) in remote control or key pad in screen for playing.



MP3/WMA Player Operaton

You can play MP3/WMA files stored in disc/SD card/USB.

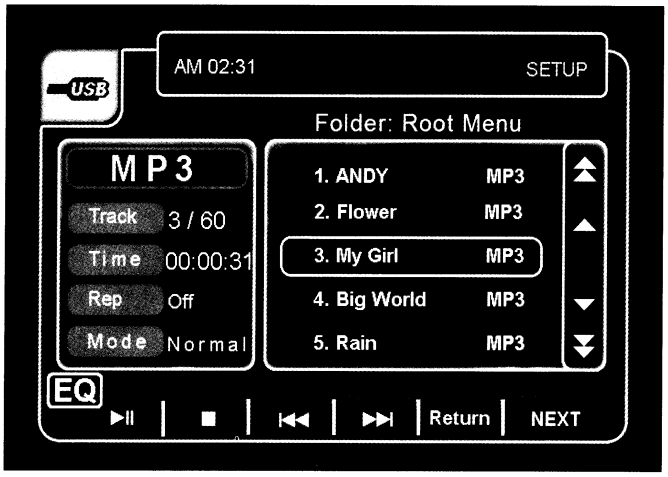
Functions as play, pause, stop, track selection, fast forward/reverse, repeat play, intro scan, random play, etc. are the same for MP3/WMA with CD operation. Please see the CD player operation section for the instruction about these functions.

After MP3/WMA disc/SD card inserted or USB connected, “MP3” or “WMA” and its information displays on screen and the file in disc will be played automatically.

Move Folder

When playing WP3/WMA, press in screen or press DIR button(35) to stop the playing and move to folder list.

* Note: CD-R/RW must conform to the ISO9660 level 1 or level 2 format Romeo Joliet. When naming files, be sure the file name extension is “MP3” or “WMA”.



DVD Player Operation

Note: When the unit is properly installed, DVD video cannot be displayed on the main TFT screen unless the parking break is applied. If you attempt to play a DVD while the vehicle is moving, the TFT screen displays "PICTURE OFF FOR YOUR SAFETY" with a blue background.
* Rear video(installed for backseat), if applicable, will operate normally.

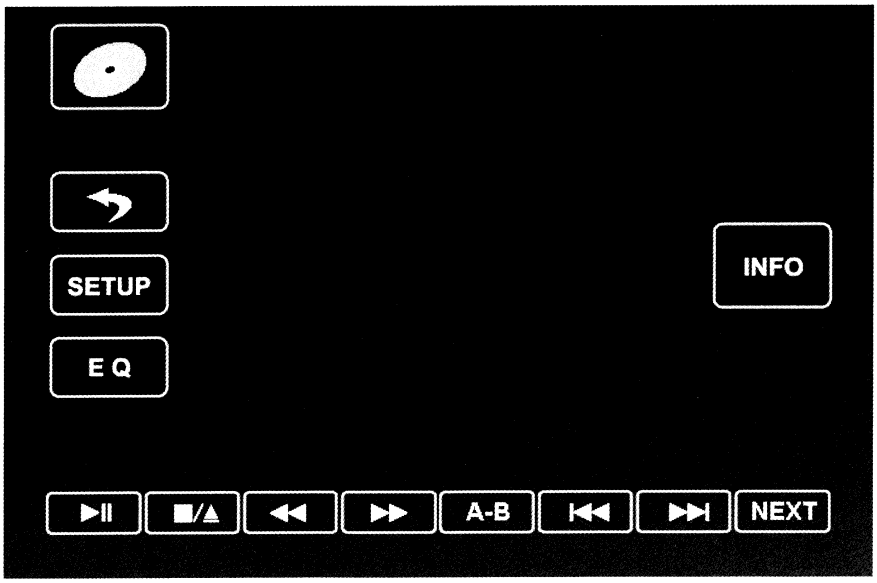
Functions as switching mode, disc insert/eject, play, pause, stop, selecting track, fast forward/reverse, etc. are the same for CD operation. Please see the CD player operation section for the instruction about these functions.

Enter DVD Root Menu

1. Insert DVD disc and DVD menu will display in screen.
2. Press Direction Key (21~24) and ENT button(25) to select menu and operate it. Or press the desirable menu on screen to play it.
3. If you want to go back to the DVD root menu in the middle of playing video, press MENU button(33) in remote control or NEXT, ROOT on screen.

Display/Hide DVD Menu bars in screen

When playing DVD video, the screen hides DVD menu bars.
1. Touch screen to display DVD menu bars on screen.
2. Touch ↩ to hide the menu bars in screen. Or, after 10 seconds without touch on screen, it disappears automatically.



Display DVD Information

Press INFO in screen or DISP button(10) in the remote control to display DVD information as title, chapter, audio, subtitle, etc. on screen.

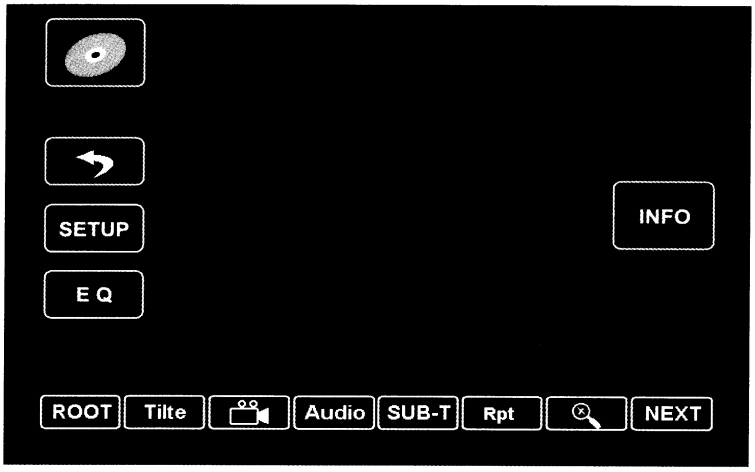
Section A-B Repeat Play

You can set a section in track and play the section repeatedly.

1. When playback, press A-B in screen to initialize the starting point for section repeat function, displaying “Rep A-” in screen.
2. Press A-B again to memorize the ending point for sectional repeat function and play the section, displaying “Rep A-B” in sceen.
3. Press A-B third time to release the function, displaying “Rep Off” in screen.

Go to Title Menu

Press TITLE button(32) in remote control or NEXT, TITLE in screen to go to DVD title’s starting menu.



Press ANGLE button(30) in remote control or NEXT, in screen repeatedly to view multiple picture angles recorded in disc in sequence..

Selecting Audio

Press AUDIO button(29) on remote control or NEXT, AUDIO in screen (repeatedly if needed,) to select an audio kind and display audio information like 6Ch Eng on screen.

Selecting Subtitle

Press SUB.T button(28) in remote control or NEXT, SUB-T in screen repeatedly to display subtitles recorded in sequence.

Repeat Play

Press REPEAT button(31) in remote control or NEXT, RPT in screen to select Repeat Chapter - Repeat Title - Repeat All - Off.

Zoom

Press NEXT, in screen for zooming in screen.

GOTO (Direct Access)

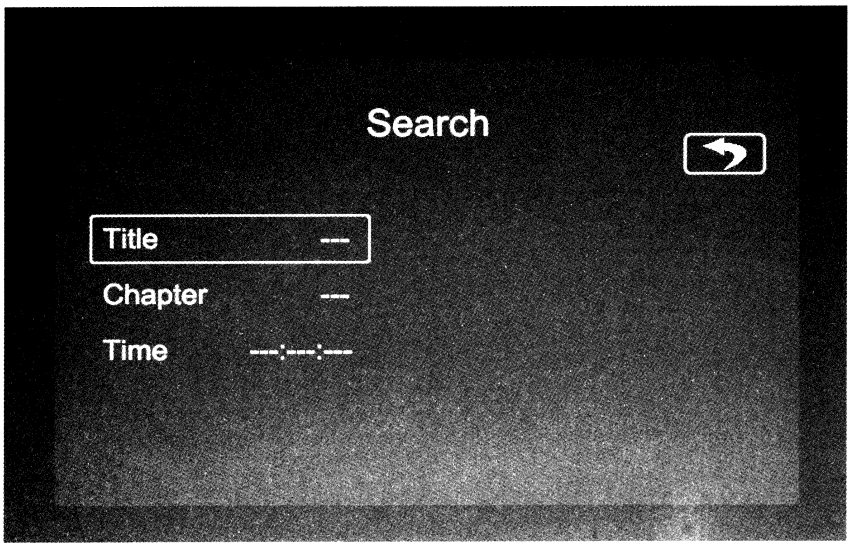
You can select the desired track directly.

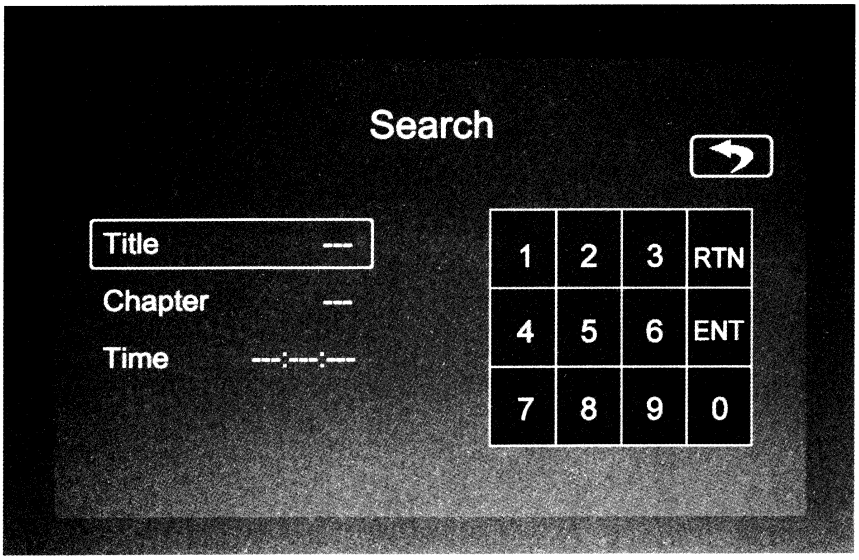
1. Press GOTO button(34) in remote control for opening direct access display. Title search menu highlighted and selected first in the display.
2. - Using the remote control :
   i. Using Direction key(21~24), you can move the selection : Title - Chapter - Time - . Select one of Title/Chapter/Time.
   ii. Press Number key(13) and ENT button(25) to go to the desired position directly.

   - Using touch screen :

   i. Touch the menu bar-Title/Chapter/Time to select the menu and open number key pad(0~9, RTN, ENT).

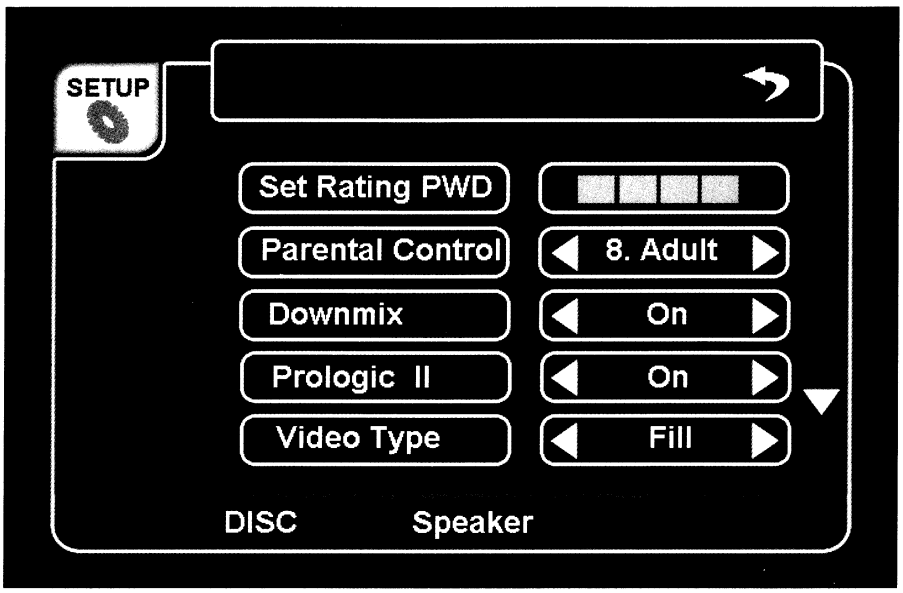
   ii. Touch the desired number and ENT.





DVD SETUP

1. When playing DVD/CD, press SETUP button(20) in remote control or press SETUP in screen to show DVD SETUP display.
2. After set up, to go back to DVD playback, press SETUP button(20) in remote control or ↩ at up-right side of screen. Or no response for 10 seconds, it will automatically go back to DVD playback.



DISC

Set Rating Password

1. Press Set Rating PWD bar menu in screen.
2. Enter 8888 and ENT in the keypad displayed in screen.
3. Press Set Rating PWD bar in screen again. The bar letters will change to "Enter New PWD".
4. Enter 4 digit number which you want to set newly and ENT in the keypad on screen.

Parental Control

You can set parental control for keep children from harmful video.

1. Press Parental Control menu bar in DVD setup display.
2. Number keypad will be displayed for entering password before setting.
3. Press ◀ , ▶ by Parental Control to set one control grade among 8.Adult / 7.NC-17 / 6.R / 5.PG-R / 4.PG-13 / 3.PG / 2.G / Kid Safe.

AUDIO ADJUSTMENT (DVD SETUP)

Downmix

1. When the disc supports 5.1CH sound effect, Downmix menu would be

activated in screen. If it is deactivated at the setup menu display, you cannot select this menu option, while it is already applied "On" automatically by unit.

2. Press ◀ , ▶ by Downmix menu bar in screen to select On/Off.

Dolby Prologic II

Dolby Prologic II technology processes any high quality stereo (2CH) movie and music audio into five playback channels(5.1CH) of full-bandwidth surround sound. Therefore when listening to typical two-channel sources like CD, the listener can enjoy a richer spatial effect.

1. Press ◀, ▶ by Prologic II menu bar in screen to select On/Off.

* Audio Adjustment - Dolby Prologic II

1. Select "On" of Prologic II in DVD setup menu.
2. Press A.SEL button(12) in remote control or EQ in screen when disc playback.
3. Select your preference in the Audio Adjust menu display by pressing Direction key(21~24) in remote control or touching screen. You can select the audio effect type of Dolby Pro Logic II among the menu as below.

- Mode : Pro Logic / PLII Matrix / PLII Movie / PLII Music
- DRC : On / Off
- When you selected PLII Music mode, there would be activated some menu as below.

  PANOR : On / Off

  Dim Ctrl : 0 ~ 6

  C W Ctrl : 0 ~ 6

* Audio Adjustment - Dolby 5.1CH

Some discs support 5.1-channel Dolby Digital surround sound. When this kind of disc inserted the unit, you can adjust the 5.1-channel audio effect on your preference.

1. It should be selected "Off" of Prologic II and Downmix in DVD setup menu for enjoy 5.1CH sound effect.
2. Press A.SEL button(12) in remote control or EQ in screen when disc playback.
3. Select your preference in the Audio Adjust menu display by pressing Direction key(21~24) in remote control or touching screen.

- Volume : 0 ~ 40
- Left / Right / Center / L Surr / R Surr / SubW : -6 ~ 6
- DRC : On / Off

Video Type

1. Press ◀, ▶ by Video Type menu bar in screen to select one type among Fill / Original / Height Fit / Width Fit / Auto Fit / Pan Scan.

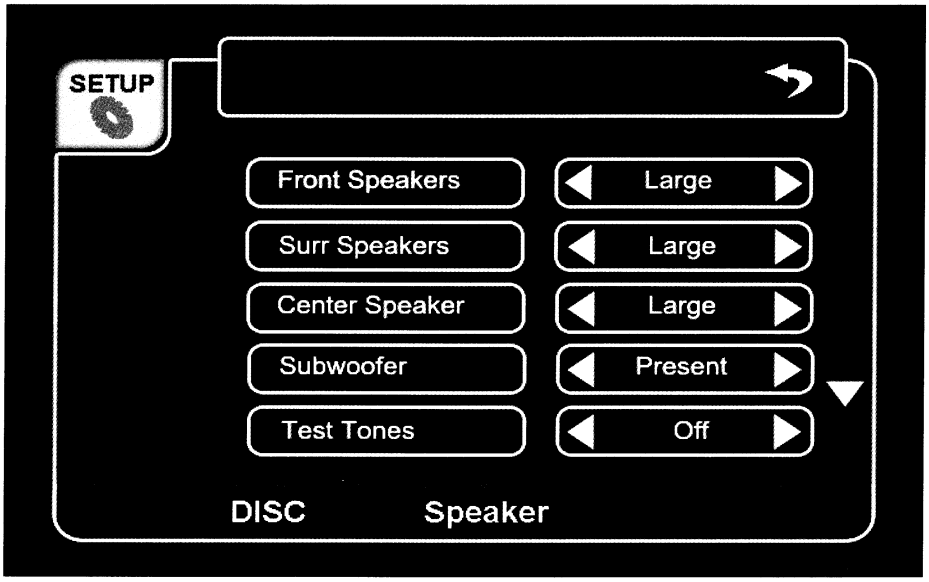
Disc Language Setup

After language setup at DVD setup mode, when playing disc, the selected language will be applied/shown. (if available at the disc)

- Subtitle / Audio / DVD Menu :
  Press ◀, ▶ by the menu bar in screen to select a desired language.

Speaker

After entering DVD setup mode, press Speaker below in screen to show speaker setup menu.

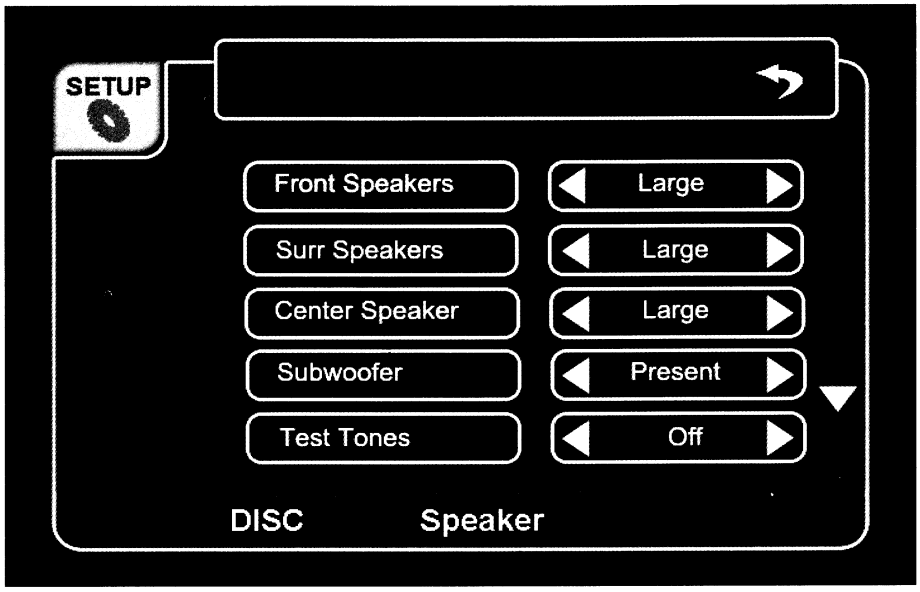


Speaker Volume Setup

- Front Speaker : Press ◀, ▶ to select Large or Small.
- Surr Speaker : Press ◀, ▶ to select Large or Small.
- Center Speaker : Press ◀, ▶ to select Large, Small or None.
- Subwoofer : Press ◀, ▶ to select Present or None.

Test Tones

Press ◀, ▶ by Test Tones in screen to select a speaker and perform test.



Bass Manage

1. Press ▼ at leftside of Speaker setup display to turn to the second page menu.
2. Press ◀, ▶ by Bass Manage menu bar to select Off/On.
3. When selected On at Bass Manage, Center Filter menu will be activated. Press ◀, ▶ by Center Filter menu bar to select the center filter value of bass from 80 ~ 300.

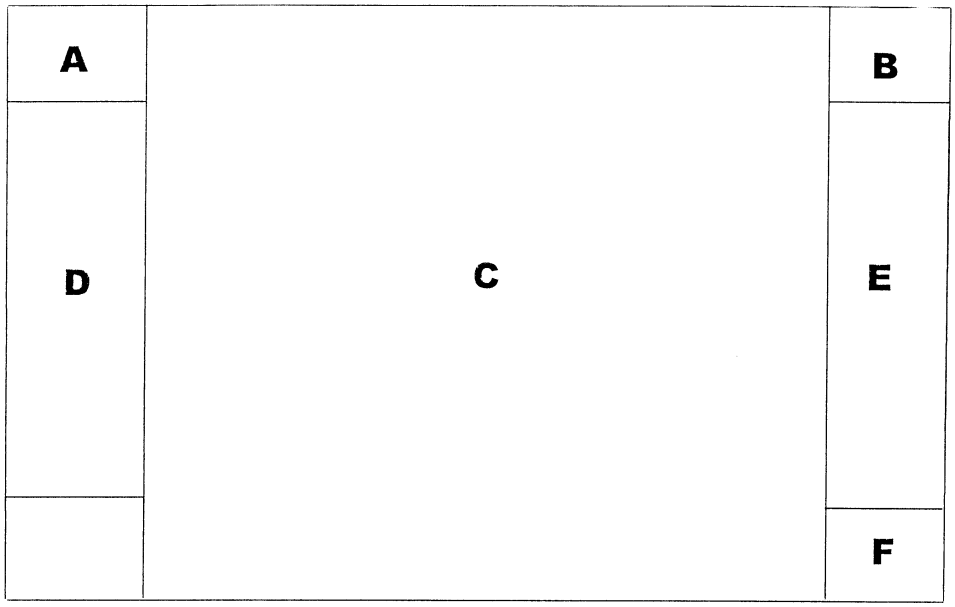
Speaker Delay

- Center Speaker Delay : Press ◀, ▶ by Cent Spkr Delay menu bar in screen to select the center speaker delay range.
- Surround Speaker Delay : Press ◀, ▶ by Surr Spkr Delay menu bar in screen to select the center speaker delay range.

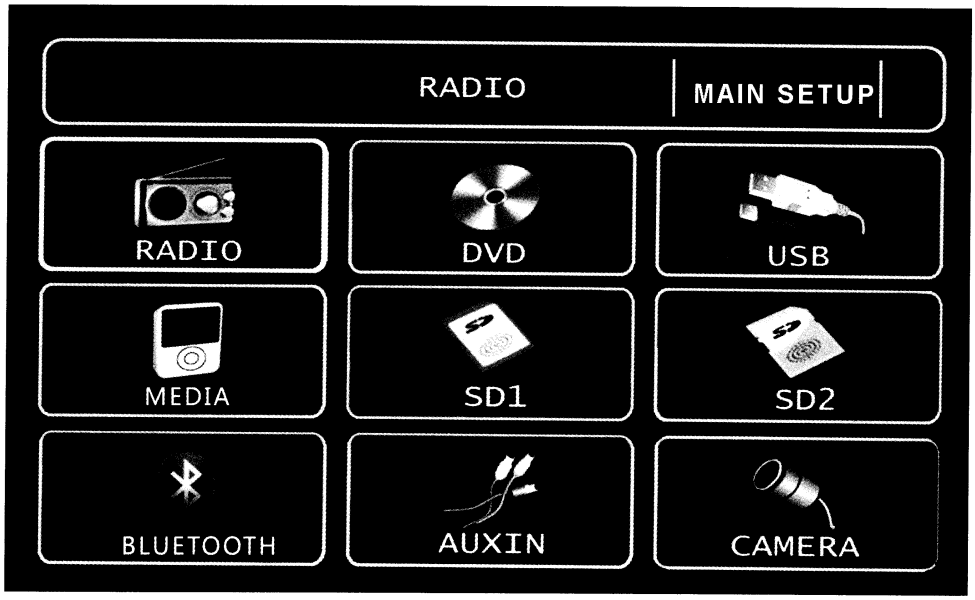
Speaker Channel Gain

- Front Left Channel Gain : Press ◀, ▶ by FL CH Gain menu bar in screen to adjust the front left speaker's volume effect.
- Front Right Channel Gain / Center Gain / Rear Left Channel Gain / Rear Right Channel Gain / Subwoofer Gain :
  1. Press ▼ at leftside of Speaker setup display to turn to the third page menu.
  2. Press ◀, ▶ by FR CH Gain / Center Gain / RL CH Gain / RR CH Gain / Subwoofer Gain menu bar in screen to adjust the speaker's volume effect.

* Here are some tips for OSD(ON Screen Display). It is convenient for operation. We can divide the screen into several areas as below.



Touch A area, launcher MENU will appear.



Tounch B area, SETUP MENU will be showned(27).

Touch C area, DVD Menu will be showned(Page24 and 25).

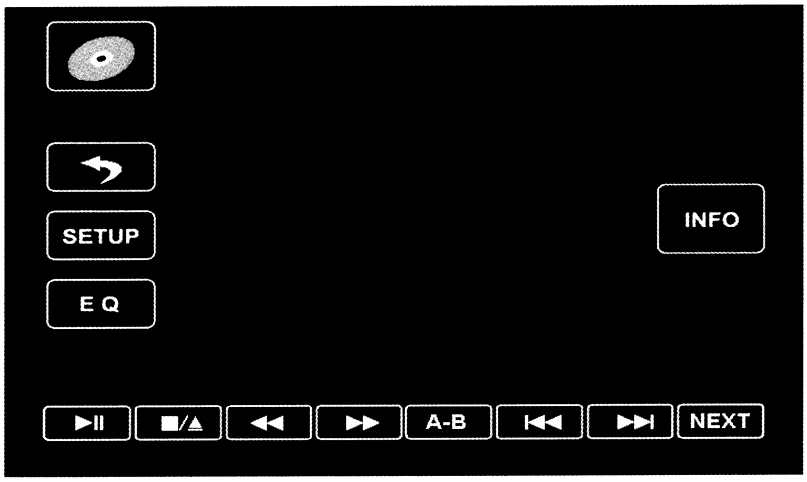
Touch D area, you can operate Chapter down function.

Touch E area, you can operate Chapter up function.

Touch F area, you can go to Search Menu(Page26).

VCD Player Operation

VCD is played at DVD mode. Switching mode and playback functions are the same for CD/DVD player operation.



Audio

When playing VCD, press NEXT, PBC in screen to select the audio speaker effect. (Left / Right / Mix / Stereo)

PBC

When playing VCD, press NEXT, PBC in screen to go to VCD starting menu display.

Available when the disc over VCD 2.0 disc and PBC (Play Back Control) recorded.

JPEG Operation

You can see JPEG file stored in disc/SD card/USB.

When using a disc, it should be operated in DVD mode. When using SD CARD or USB, select the corresponding mode at mode selection display.

Slide Show Operation

1. When JPG mode is played, slide show will be operated automatically. A slide stops for 5 seconds and goes to next file in alphabetical/number order of file name.
2. Press ⏯ button(25) in remote control or ⏯ in screen to play/pause.
3. Press ■ button(27) in remote control or ▤ in screen to stop playing. Folders and file list will be diplayed.
4. Press ⏮ button(16) in remote control or ⏮ in screen to display previous picture.
5. Press ⏭ button(19) in remote control or ⏭ in screen to display next picture.

Zoom In/Out

1. Press ZOOM button(26) in remote control or 🔍 in screen for zooming in.
2. Preess 🔍 in screen for zooming out.

Rotating Display

1. Press ⟳ in screen to turn current picture 90 degree in a clockwise direction.
2. The picture will be turned 90 degree each by pressing more.

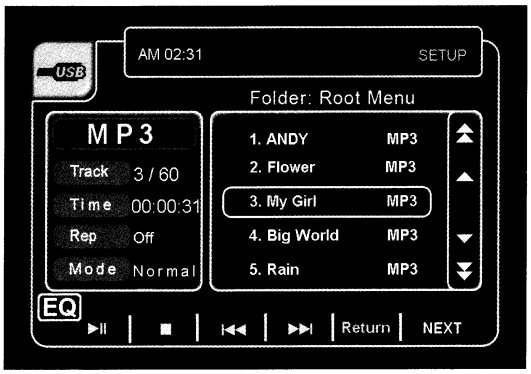
USB / SD Card Operation

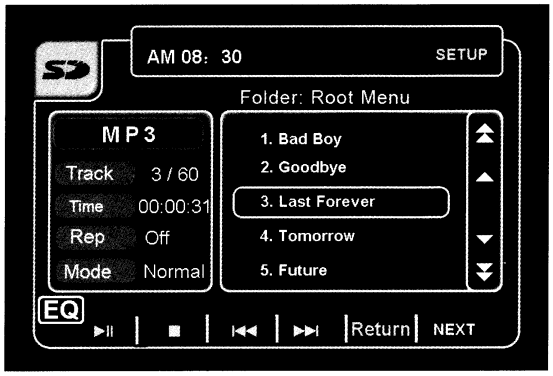
Switching to USB / SD Card Mode

Press MODE button(2) or press the current mode icon at up-left of screen to go to mode selection display and press USB / SD card mode icon.

Play Each Source

According to the source stored in USB or SD card, you can play it.
The source types compatible with this unit are in specification on page .





Bluetooth Operation

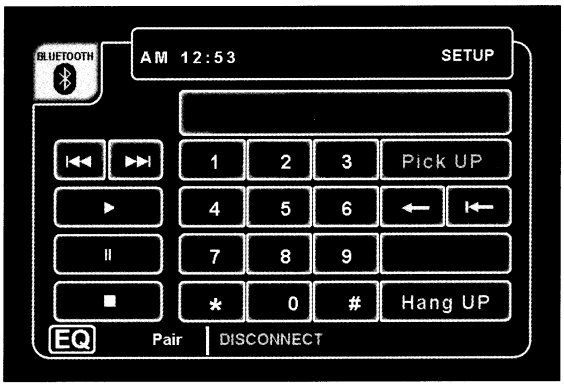
This unit supports Bluetooth wireless connection with a bluetooth cellular phone.

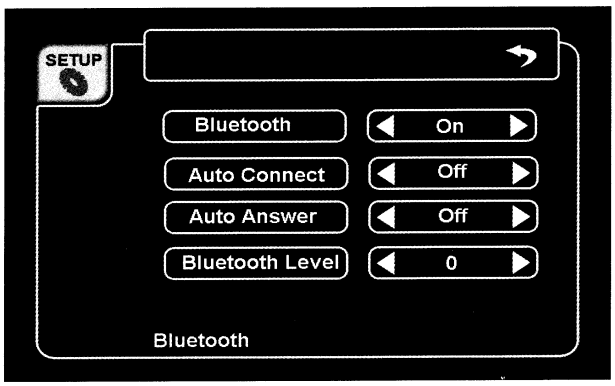
Note:

- *Before using the bluetooth function in unit, please check a microphone installed to this unit.*
- *Digital noise & echo suppression system built-in.*
- *Provides the best sound clarity with little or no distortion. (Echo and side-tone might be sensible depending upon cellular phone's characteristics or service networks)*
- *Full duplex conversation*
- *Bluetooth version 2.0*

Switching to Bluetooth Mode

Press MODE button(2) in remote control or touch the current mode icon at up-left corner of screen to go to mode selection display, and press BLUETOOTH mode icon in screen.





Bluetooth Setup

Before using bluetooth function in this unit, you should first turn on bluetooth function at Bluetooth setup menu.

1. Press SETUP in screen to display Bluetooth setup menu.
2. Press ◀, ▶ by Bluetooth menu bar in screen to enable bluetooth function. And then, three other bluetooth setup menu will be displayed below, and Bluetooth icon always appears at up-left corner(by mode icon) in screen.

- Auto Connect : Press ◀, ▶ by Auto Connect menu bar to choose On/Off.
- Auto Answer : Press ◀, ▶ by Auto Connect menu bar to choose On/Off.
- Bluetooth Level : Press ◀, ▶ by Bluetooth Level menu bar to choose the level from 0~6.

Pairing

1. Click Pair in screen to have the unit prepare starting pairing.
   It will display “Waiting for Pairing” in screen.
2. Enable your cellular phone’s bluetooth pairing. If the cellular phone requires the pin code, enter 1 2 3 4.
3. It will display “Pair OK ” on screen when the paring is completed.

* In case of failure of pairing
  - Delete item in paired list on your Bluetooth cellular phone
  - Reset both cellular phone and this unit by switching on/off
  - Restart pairing as per previous procedures.
* Should your cellular phone battery be at low charge, the Bluetooth connection may occasionally be lost. To maintain good connectivity ensure that your cellular phone battery is adequately charged.

Disconnect

To disconnect Bluetooth link, just click DISCONNECT in screen.

Make a Call

(unavailable if pass-word stored in the cellular phone)

1. Enter phone numbers in Dial Pad in screen or by using remote control.
   - ← in screen means erasing a number just entered.
2. Press Pick Up in screen or button(26) in remote control for calling.
3. Talk through the supplied microphone.
3. Press Hang Up in screen or button(27) in remote control to hang up the call displaying “Call End” in screen.

Receive a Call

1. When the unit is ringing, “Answer?” appears in screen.
   Press Pick Up in screen or button(26) in remote control for calling.
   - If ringing in other mode such as DVD, Radio,… this unit automatically change into Bluetooth mode. After phone talking, it also resume back to the previous mode after 5 seconds delay time as below image.
   - Even though making a call by cellular phone, not by this unit, this unit would activate automatically, showing “Talking” in screen.
2. Talk through the supplied microphone.
3. After finishing conversation, press Hang Up in screen or button(27) in remote control to hang up the call displaying “Call End” in screen.

Transfer a Call between Unit and Phone

During conversation, for privacy or any other reason, you can transfer the call between the unit and your cellular phone by pressing I← in screen.

A2DP

The function to play audio files stored in cellular phone
In this mode, operate the following 5 functions.

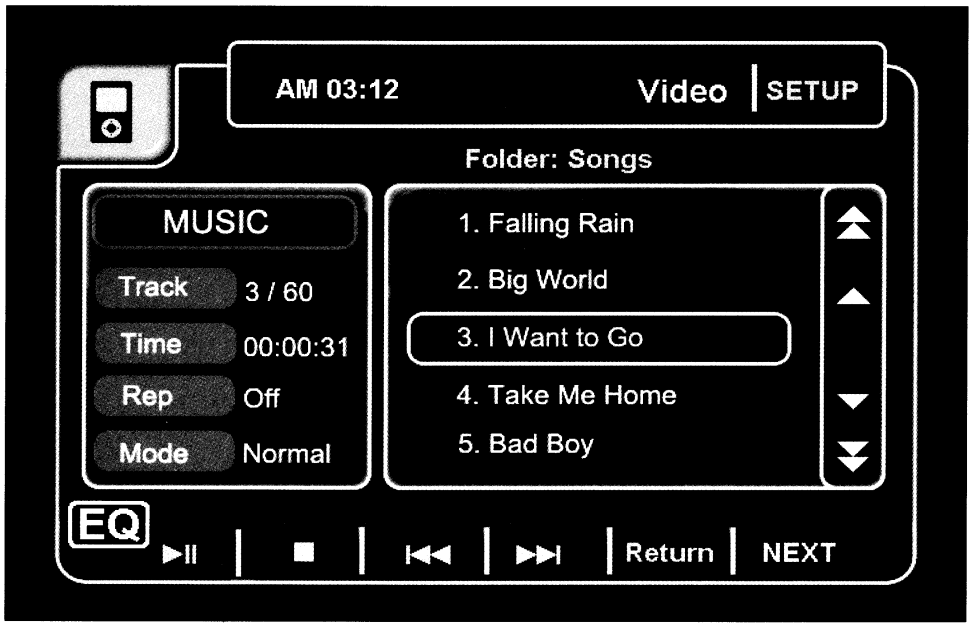
- ⏮ previous track
- ⏭ next track
- ▶ play
- ⏸ pause
- ■ stop

* Some kinds of cellular phone are not compatible A2DP function with this unit.

Media Operation

Note:

- You should connect your Media with this unit first using the cable supplied.
- After connecting Media Player, the current mode will change to Media mode and the unit will start playing the selected list or play all files registered on the Media if no selected list.
- The unit will not operate, or may operate improperly with unsupported versions.
- When the Media Player's internal battery becomes depleted, the Media Player cannot be played even if connected to the unit. This unit cannot be used to recharge the Media Player.
- Playback functions as play, pause, stop, track selection, fast forward/reverse, repeat play, intro scan, random play, etc. are the same for Media and CD/DVD operation. Please see the CD/DVD player operation section for the instruction about these functions.

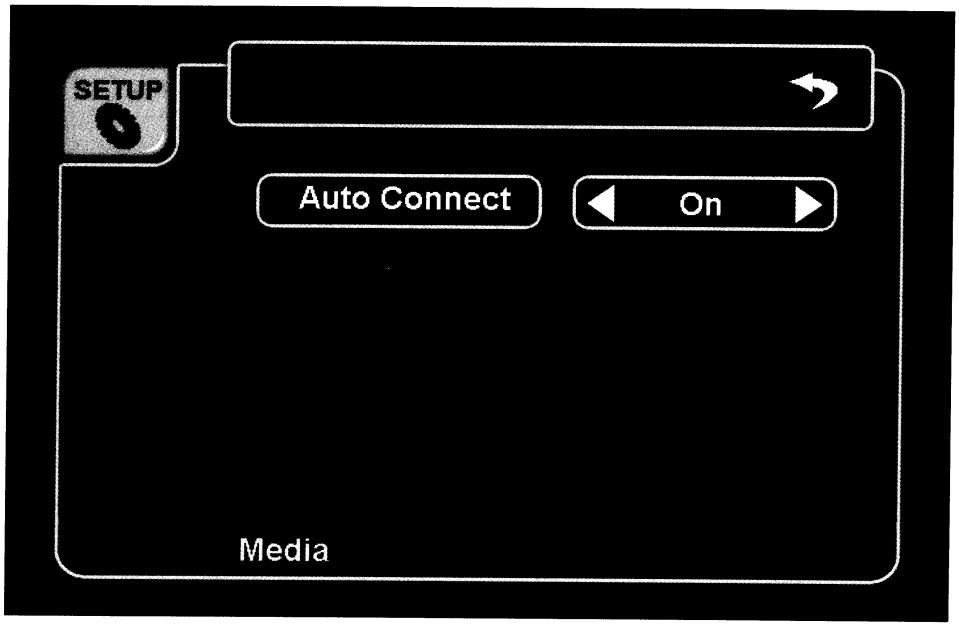


Switching to Media Player Video/Audio Mode

1. Press VIDEO in screen on Media Player audio mode to standby for video signal input from Media Player.
2. You cannot operate the Media video playback functions by this unit. You should operate the video playback functions by your Media Player.
3. If you want to go back to Media audio mode, press Audio in screen.

SETUP

1. Press SETUP in screen to open iPod setup menu display.
2. Press ◀, ▶ by Auto Connect menu bar to select On/Off. The default is On. If you select Off, when you connect iPod to this unit, the mode will not automatically be changed, while you should switch the mode manually.



Troubleshooting

Problem	Cause	Corrective Action
No power to unit	Fuse(s) blown	Check/replace fuse(s) in vehicle fuse box
No sound can be heard or the volume is low	Speakers are not wired correctly	Connect speaker harness; check speaker wires
	Speaker wires shorting to chassis ground or to each other	Check splices, insulate all bare wires
	Fader or Balance incorrectly adjusted	Check audio settings
	AV1 or AV2 not wired correctly	Check wiring
Will not read disc	Disc is upside down	Insert disc right side up
	Disc is dirty	Clean/inspect disc
	Format not supported by player	Insert correct disc format
The sound "skips" during disc play	Disc is dirty	Clean/inspect disc
	Receiver mount is not solid or backstrap is not secure	Check mounting and backstrap, tighten if needed
DVD will not play on main screen	Parking brake not applied	Apply parking brake
Remote control does not work	Batteries are weak	Check/replace batteries
	Sunlight is interfering with infrared sensor	If sunroof is allowing too much light, close it partially or fully.
		Close windows
The display is dark	Direct sunlight reflecting off screen	Close windows and/or sunroof
	Color/Brightness settings incoreect	Adjust Color/Brightness settings
Touch points in screen are not correct.		Adjust the touch points at setup mode.

Specifications

CEA Power Ratings

Power Output: 18watts RMS x 4channels into 4-ohms @ < 1% THD+N
Signal to Noise Ratio: 70dBA below reference (Reference: 1watt, 4ohms)
Dynamic Power: 36watts @ 4ohms x 4channels
Frequency Response: 20Hz ~ 20kHz (-3dB), Audio/Video input used as source reference
Standard Power Supply: 14.4 VDC

CD/DVD Player

Compatible Disc: CD-R, CD-RW, DVD-R, DVD-RW
Compatible Format: DVD-VIDEO, SVCD, VCD, CDDA, MP3, WMA,
JPEG, MPG, MP4, DAT, AVI
Signal to Noise Ratio: > 90dBA
Frequency Response: 20Hz ~ 20kHz, -3dB
Channel Separation: > 60dB @ 1kHz
D/A Converter: 24bit

SD Card

Compatible Format: MP3, WMA, JPEG, MPG, DAT, AVI

USB

USB 2.0 Compatible
Compatible Format: MP3, WMA, JPEG, MPG, DAT, AVI

Video Format

CODEC	FILE TYPE	Bitrate (upto)		Resolution	Frame/sec
		DISC	USB/SD		
MPEG1	*.MPG	~4Mbps	~1.5Mbps	352 x 240	30fps
	*.DAT	~4Mbps	~1.5Mbps	352 x 240	30fps
MPEG2	*.VOB	~4Mbps	~1.5Mbps	720 x 480	30fps
	*.MPEG	~4Mbps	~1.5Mbps	720 x 480	30fps
MPEG4		~2 5Mbps	~1 5Mbps	720 x 480	30fps

Subtitle Format

SMI / SRT / TXT / PSB / ASS / SSA / SUB
English 58 letters / Korean 29 letters
Name of Video file and Subtitle file should be the same.

* It can be not playable according to the viedo file's types or recording ways.

Video

Format: NTSC/PAL/AUTO
Output: 1 Vp-p (75ohm)
Input: 1 Vp-p (75ohm)

FM Tuner

Tuning Range: 87.5 - 107.9MHz
Mono Sensitivity (-30dB): 9dBf
Quieting Sensitivity (-50dB): 15dBf
Alternate Channel Selectivity: 70dB
Signal to Noise Ratio @ 1kHz: 58dB
Image Rejection: 60dB
Stereo Separation @ 1kHz: > 30dB
Frequency Response: 50Hz ~ 15kHz, -3dB

AM Tuner

Tuning Range: 530 ~ 1720kHz
Sensitivity (-20dB): 30uV
Signal to Noise Ratio @ 1kHz: 50dB
Image Rejection: 60dB
Frequency Response: 50Hz ~ 2kHz, -3dB

Monitor

Screen Size: 5.8'' (Measured diagonally), 16:9 Widescreen
5.8”(145mm)H x 3.5”(89mm)W
Screen Type: TFT Liquid Crystal Display (LCD) Active Matrix
DVD Player: 400(H) x 234(W) X 3(RGB)
Back Light: CCFL, 350cd/m2

General

Audio Input Impedance: 10k
Power Supply: 11~16 VDC, negative ground
Fuse: 10amp, ATO type
DIN chassis dimensions: 178mm(W) x 160mm(D) x 100mm(H)

Place
Postage
Here

VALOR
MULTIMEDIA

Valor Warranty Validation Dept
18061 Arenth Ave
City of Industry . CA 91748

VALOR
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ONE YEAR LIMITED WARRANTY

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Valor Multimedia hereby warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions,be proven defective in material or workmanship within one year parts and labor from the date of original purchase. Such defect(s) will be repaired or replaced with reconditioned product (at Valor Multimedia's option) for parts and repair labor. This limited warranty is the purchaser's exclusive remedy for any such defect(s).

To obtain repairs or replacement within the terms of this warranty, please visit www.valormultimedia.com or contact us at 18061 Arenth Avenue;City of Industry, CA 91748 (626) 581-8900. Proof of warranty coverage (i.e. – dated bill of sale) and a valid serial number is required.

This warranty does not apply to any product of part thereof which, in the opinion of Valor Multimedia , has suffered or been damaged through alteration, improper installation, mishandling, misuse,neglect, accident, or by removal or defacement of the factory serial number/bar codelabel(s). The opinion of Valor Multimedia with respect to this matter shall be final.THE EXTENT OF VALOR MULTIMEDIA'S LIABILITY UNDER THIS WARRANTY IS LI MITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

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Warranty Validation Card

Please complete all fields to validate your Valor Multimedia limited warranty. Remember to include a copy of your dated sales invoice. Failure to return this card will result in warranty coverage starting on the date of manufacture based on your serial number. Special warranty provisions will only be honored if this card is returned complete. Limitations to warranty periods and exclusions may not apply to your area if applicable by law. Please check with your local regulatory offices for details regarding warranty regulations in your area.

NAME		DATE
SHIPPING ADDRESS (NO PO BOXES)		CITY
STATE	ZIP CODE	PHONE NUMBER

RETAILER NAME	RETAILER ADDRESS	RETAILER PHONE NUMBER
PRODUCT PURCHASED	PRODUCT SERIAL NUMBER	DATE OF PURCHASE

Why did you choose a Valor Multimedia product?
- ☐ Appearance
- ☐ Value
- ☐ Features
- ☐ Brand Name
- ☐ Other _____

How was your product acquired?
- ☐ Gift
- ☐ Internet Retailer
- ☐ Standard Retailer
- ☐ Specialty Store
- ☐ Mass Merchant / Discount Retailer

Where will this product be used?
- ☐ Personal Automobile
- ☐ RV
- ☐ Commercial Vehicle
- ☐ Other _____

How long have you owned your vehicle?
- ☐ Brand New
- ☐ < 1 year
- ☐ 1 - 2 years
- ☐ 3 - 5 years
- ☐ > 5 years

Would you buy another Valor product?
- ☐ Yes
- ☐ No

Would you recommend a Valor product?
- ☐ Yes
- ☐ No

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